IN THE CLAIMS

Please amend the claims as follows:

Please cancel Claims 1-8.

1   9.   (currently amended) A method for registering a defect map within a hard ~~disk~~ drive, said
2   method comprising:

3   accepting, from a host computer, specification of a sector from/to ~~in~~ which data
4   is to be read/written according to a logical address without any consideration to a defect
5   sector on a recording disk within said hard disk ~~from a host computer~~;

6   obtaining a physical address of said ~~specified~~ sector with reference to ~~information~~
7   ~~of~~ a range in which ~~said~~ defect sectors exist, wherein said obtaining further includes

8   sequentially searching sectors on said recording disk in a predetermined
9   order;

10   adding said logical address of said sector to a number of defect sectors up
11   to said sector to obtain a physical address of said sector when the number
12   of tracks is 1 in said range that denotes a presence of defect sectors
13   continued up to immediately before said sector; and

14   adding said logical address of said sector to a number of defect sectors up
15   to said sector to obtain a physical address of said sector when the number
16   of tracks is 2 or higher in said range that denotes a presence of defect
17   sectors continued up to immediately before said sector, and said sector is
18   not included in said range; and

19   reading/writing data from/to ~~in~~ said ~~specified~~ sector according to said obtained

20   physical address.

Please cancel Claims 10-12.

1   13.   (currently amended) A method for registering a defect map that denotes ~~the~~ position__s__ of

2   ~~each~~ defect sector__s__ ~~among sectors formed~~ on a recording disk, said method comprising:

3   setting a <u>plurality of</u> sectors <u>on a recording disk</u> as ~~a~~ defect sector__s__ when said

4   <u>plurality of</u> sectors ~~being among those formed on said recording disk~~ do__es~~ not satisfy a

5   predetermined standard; and

6   registering <u>said</u> plurality of defect sectors continued either in ~~the~~ <u>a</u> circumferential

7   direction or in ~~the~~ <u>a</u> radial direction of said recording disk as one block in a defect map

8   according to ~~the information including~~ the position of ~~the~~ <u>a</u> first defect sector, the number

9   of said <u>plurality of</u> defect sectors continued in a track of said recording disk, <u>and</u> the

10   number of tracks in which said <u>plurality of</u> defect sectors are continued in ~~the~~ <u>a</u> radial

11   direction of said recording disk, <u>wherein said number of tracks, when two or higher, is</u>

12   <u>registered in said defect map so as to avoid presence of two or more defect sector blocks</u>

13   <u>in the same track.</u>

1   14.   (currently amended) The method of Claim 13, wherein ~~the~~ <u>a</u> number of said sectors, when

2   ~~it is~~ two or <u>higher</u> ~~over~~, is registered in said defect map so as to have ~~the same~~ <u>an identical</u> value

3   among tracks.

Please cancel Claim 15.

Please add Claims 16-17 as follows:

1   16.   (new) A hard drive, comprising:

2   a recording disk on which a plurality of sectors are formed;

3   a head assembly having a head that reads/writes data from/on said recording disk;

4   a controller for controlling said head assembly to read/write data from/to said
5   recording disk, wherein said controller includes:

6   setting a plurality of sectors on a recording disk as defect sectors when
7   said plurality of sectors d not satisfy a predetermined standard; and

8   registering said plurality of defect sectors continued either in a
9   circumferential direction or in a radial direction of said recording disk as
10   one block in a defect map according to the position of a first defect sector,
11   the number of said plurality of defect sectors continued in a track of said
12   recording disk, and the number of tracks in which said plurality of defect
13   sectors are continued in a radial direction of said recording disk, wherein
14   said number of tracks, when two or higher, is registered in said defect map
15   so as to avoid presence of two or more defect sector blocks in the same
16   track.

1   17.   (new) The hard drive of Claim 16, wherein a number of said sectors, when two or higher,
2   is registered in said defect map so as to have an identical value among tracks.